BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Construction of Compund wall for widening of roads at Anjanmurthy circle in Ward-18

Estimate Cost Rs 2,00,000.00.

Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
1	Earthwork in excavation of foundation of structures as per drawing and technical specification including setting out, construction of shorting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, back filling the excavation earth to the extent required and utilizing the remaining earth locally for road work complete as per specifications. (i) Ordinary soil – A, Manual Means (i) Depth upto 3m. MORTH Specification No.304,(P-151 I No. 19.22)						297.65		5376.00
		1	19.70	0.90	1.00	17.73			
					Total	17.73	291.29	Cum	5165.00
	Basic Rate	187.00	193.60						5277.00
	Loading & unloading	87.80	87.80				303.26		
	Total	274.80	280.80						
	Area Weightage @ 6%	16.49	22.46						
	Total	291.29	303.26	297.65					
2	Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth, including cost of all materials,labour , HOM of machinary, curing complete as per specification (P 12 I.No.4.3)						4290.84		11202.00 11414.00
		1	19.70	0.90	0.15	2.66			
					Total	2.66	3812.82	Cum	10140.00
	Basic Rate	3597.00	3973.00						
	Total	3597.00	238.38				4211.38		
	Area Weightage @ 6%	215.82	4211.38						
	Total	3812.82	4290.84						
3	Providing and constructing granite/ trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification KBS 5.1 .13. (P-25 I.No.5.6)						3484.22		23170.00
		1	19.70	0.75	0.45	6.65			
					Total	6.65	2710.42	Cum	18021.00
	Basic Rate	2557.00	3287.00						
	Total	2557.00	197.22						
	Area Weightage @ 6%	153.42							
	Total	2710.42	3484.22						
4	Providing and constructing granite/ trap/basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high , bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. (P-26 I.No.5.9)						4148.84		22072.00
		1	19.70	0.60	0.45	5.32			
					Total	5.32	3164.10	Cum	16830.00
	Basic Rate	2985.00	3914.00						
	Total	2985.00	234.84						
	Area Weightage @ 6%	179.10							
	Total	3164.10	4148.84						
5	KSRB 5.4-4: Providing and constructing granite/ trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specification. KBS 5.1.13. (P-26 I.No.5.13)						4657.64		41313.00
		1	19.70	0.45	1.00	8.87			
					Total	8.87	3644.28	Cum	32307.00

Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
	Basic Rate	3438.00	4394.00						
	Total	3438.00	263.64						
	Area Weightage @ 6%	206.28							
	Total	**3644.28**	4657.64						
6	Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum machine mixed. Concrete laid in layers not exceeding 15cms. thick well compacted in foundation and plinth & Cills, including cost of all materials,labour , HOM of machinary, curing complete as per specification ,(P-12 I.No.4.6)						4690.50		4174.54
		1	19.70	0.45	0.10	0.89			
					Total	**0.89**	4327.98	Cum	3837.00
	Basic Rate	4083.00	4425.00						
	Total	4083.00	265.50						
	Area Weightage @ 6%	244.98							
	Grand Total	**4327.98**	4690.50						
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications..(P-120 I.No.15.3)						78.44		3090.54
		2	19.70		1.00	39.40			
					Total	**39.40**	70.28	Sqm	2769.00
	Basic Rate	66.30	74.00						
	Total	66.30	4.44						
	Area Weightage @ 6%	3.98							
	Grand Total	**70.28**	78.44						
8	KSRB 2-1, 1; Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. No. KBS 2.1 (a) /2.3.1.(P-51 No. 2.1)						217.09		17048.00
		1	28.00	1.50	1.20	50.40			
		1	50.00	0.75	0.75	28.13			
					Total	**78.53**	203.31	Cum	15965.00
	Basic Rate	104.00	117.00						
	Loading & unloading	87.80							
	Total	191.80	204.80						
	Area Weightage @ 6%	~~11.51~~	12.28						
	Total	203.31	~~124.07~~ 217.08						
9	Providing granite slabs of selected quality roughly dressed and fixed in CM 1:6 including fixing curing etc., complete.-od- 10cms. Thick .(P-28 I.No.5.31.2)						569.22		38422.00
		1	50.00	1.35		67.50			
					Total	**67.50**	477.00	Sqm	32198.00
	Basic Rate	450.00	537.00						
	Total	450.00	32.22						
	Area Weightage @ 6%	27.00							
	Grand Total	**477.00**	569.22						

Sl No	Description of work		Dimensions L	B	D	Quantity	Rate	Unit	Amount
16	fabricating,Providing and erecting in position of HOT dip galvanised M S Rnamental security grill gate using 75x12mm MS Flat for around frame work with verticals at the centre and Horizontal centre support MS Square of 20x20mm of different heights as shown in the drawing are to be filed at 16cmc c/c for square bars of full height and at 8cms c/c for button rods providing ornamental CI Designers at the bottom and CI arrows in the middle and top. the entire frame work is to be fixed by means of expansion bolts to the brick pillars with necessary drilling holes the work includes providing two coats of enamel painting over all labour paintings, erection charges using hoist pulleycranes etc., as per specification and drawings (P-46 I No 7.32)								
		2 5	3.00	1.00		15.00	6.00		
		1	3.50	1.00		3.50			
						18.50	9.50		64242.36
	18.50x21kgs 9.50x21 = 199.50					388.50			
					Total	388.50	160.06	Sqm	62183.00
	Basic Rate	151.00	156.00			199.50			32990.00
	Total	151.00					165.36		
	Area Weightage @ 6%	9.06	9.36						
	Grand Total	160.06	165.36						
11	Miscellaneous							1240.00	585.00
						TOTAL AMOUNT			200000.00

Executive Engineer,
Hebbal Division,
Bruhat Bangalore Mahanagara Palike

Certificate:

1. The work spot has been inspected and found to be necessary
2. The work spot comes under BBMP Limits
3. The provisions made in the estimate are necessary and minimum
4. The estimate is based on CSR of 2012-13

Assistant Engineer
Ward No. 18

Assistant Executive Engineer
Hebbal Sub Division
BBMP

Executive Engineer
Hebbal division
BBMP

ADMINISTRATIVELY SANCTIONED FOR
Rs. Two lakhs Only
Under P-1771 Emergency reserve fund
POW-2012-13
Registered as EE(H) Misc No. 179
Subject to Conditions in Enclosed memo
Memo No. AS/179/13-14 Dt. 21/11/2013

AE / AE
Exe. Engineer (H)

TECHNICALLY SANCTIONED FOR
Rs. Two lakhs Only
P-1771 Emergency reserve fund
Under POW- 2012-13
Registered as EE(H) Misc No. 210
Subject to conditions in enclosed memo
No TS/210/13-14 Dt. 22/11/2013

AE
EE(H.)

165,769.

Sketch for Construction of Compound wall for widening of road at Anjaiah nagar Circle ward no 18.

NTS

Anjaiah nagar Circle

Existing road

Parallel road

S.W.D

Proposed Compound wall

CC 1:3:4

1.00

RRM for superstructure CM 1:6

0.45

0.60

RRM for basement CM 1:6

0.45

0.75

RRM for foundation CM 1:6

CC 1:4:8

Cross section AA.